

WHAT IS CLAIMED IS:

1 1. A display system receiving a video signal from a computer and displaying a picture
2 on a screen corresponding to said video signal, comprising:

3 an input terminal;

4 a signal processor converting an input signal applied to said input terminal into an output
5 signal to be recognized by said computer;

6 a data interface coupled to said signal processor and connected between said computer and
7 said display system; and

8 a controller transmitting said output signal to said computer via said signal processing part
9 and said data interface.

10 2. The display system of claim 1, further comprising:

11 a memory; and

12 said controller regulates said signal processor to convert said input signal into a control
13 signal controlling said computer, stores said control signal in said memory, and transmits said
14 control signal from said memory to said computer via said data interface.

15 3. The display system of claim 1, further comprising an on-screen display generator
16 providing a variable video display for setting up a displaying condition, wherein said controller
17 controls said on-screen display generator part to generate said video display in response to said input
18 signal.

1 4. The display system of claim 1, further comprising:

2 an input mode selector providing one of a computer input mode and a display system input
3 mode for respectively recognizing said input signal as an output signal to be applied to said
4 computer and as a control signal for controlling said display system; and said controller transmits
5 said input signal to said computer via said signal processor and said data interface in the computer
6 input mode, and said controller controls said display system in response to said input signal in the
7 display system input mode.

2 5. The display system of claim 1, further comprised of said input terminal coupled to
3 at least one of a mouse and a keyboard.

2 6. A method of controlling a display system, comprising the steps of:

3 connecting an input device to said display system to enable the display system to receive a
4 video signal from an external computer and display on a screen a video image corresponding to said
5 video signal;

6 selecting one of a computer input mode and a display system input mode for respectively
7 recognizing an input signal applied to said input device as an output signal to be applied to said
8 computer and as a control signal for controlling display functions of said display system;

9 converting said input signal into said output signal to be recognized by said computer during
10 computer input mode; and

 transmitting said output signal to said computer.

1 7. The method of claim 6, further comprising the step of setting said display system in
2 response to said input signal in the display system input mode.

1 8. The method according to claim 6, wherein said input device further comprises at least
2 one of a mouse and a keyboard.

1 9. A display device, comprising:
2 a controller;
3 an input terminal coupled to said controller disposed to receive an input signal;
4 an input and output terminal coupled to said controller disposed to receive a video signal and
5 transmit an output signal;
6 an input mode selector coupled to said controller selectively providing a computer input
7 mode and a display device input mode;
8 said controller transmitting said output signal in response to reception of said input signal
9 during said computer input mode; and
10 said controller controlling said video signal in response to reception of said input signal
11 during said display device input mode.

1 10. The display device of claim 9, further comprise of said controller converting said
2 input signal into said output signal in accordance with said computer input mode.

1 11. The display device of claim 9, further comprising:

2 a video display device; and

3 a computer coupled to said input and output terminal, wherein said computer transmits said
4 video signal to said video display device and receives said output signal from said video display
5 device.

1 12. The display device of claim 9, further comprising an input device disposed outside
2 said display device, coupled to said input terminal, and providing said input signal to said display
3 device.

1 13. The display device of claim 12, wherein said input device comprises one of a mouse
2 and a keyboard.

1 14. The display device of claim 9, further comprise of said input mode selector disposed
2 outside said display device and coupled to said input terminal.

1 15. The display device of claim 14, wherein said input device comprises one of a mouse
2 and a keyboard.

1 16. The display device of claim 9, further comprised of said controller responding to

reception of said input signal by generating a shut down signal for consumption of power by an external apparatus coupled to said input and output terminal.

17. The display device of claim 9, further comprised of said controller generating a shut down control signal to said input and output terminal when said input signal is a shut down signal for shutting down to reduce consumption of power by an external apparatus coupled to said input and output terminal.

18. The display device of claim 9, further comprised of said controller responding to reception of said input signal representing a password signal by activating an external apparatus coupled to said input and output terminal.

19. The display device of claim 9, further comprised of said controller generating an activation control signal to said input and output terminal when said input signal represents an activation signal to initiate an increase in consumption of energy by an external apparatus coupled to said input and output terminal.

20. Controlling a display device, with the steps comprised of:
receiving an input signal at an input terminal;
receiving a video signal and transmitting an output signal via an input and output terminal;
alternatively selecting one of a first mode and a second mode;

transmitting said input signal via said input and output terminal when said first mode is selected; and

controlling said video signal in response to said input signal when said second mode is selected.

21. The method of claim 20, further comprising the step of:

converting said input signal into an output signal functionally operating an external apparatus coupled to said input and output terminal when said first mode is selected.

22. The method of claim 20, further comprising the steps of:

making a determination of whether said input signal is a shut-down signal; and

applying a control signal to said input and output terminal to regulate energy consumption by an appliance coupled to said input and output terminal in dependence upon said determination.

23. The method of claim 20, further comprising the steps of:

making a determination of whether said input signal is an activation signal for activating an external apparatus coupled to said input and output terminal; and

applying a control signal to said input and output terminal to regulate energy consumption by an appliance coupled to said input and output terminal in dependence upon said determination.

24. The method of claim 20, further comprising the steps of:

2 making a determination whether said input signal is identical to a reference; and
3 generating to said input and output terminal an activation control signal for activating an
4 external apparatus coupled to said input and output terminal in accordance with said determination.

1 25. The method of claim 20, further comprising the steps of:
2 making a determination whether said input signal is not identical to a reference; and
3 preventing said input signal from being transmitted to said input and output terminal in
4 accordance with said determination.

1 26. The method of claim 20, further comprising the step of preventing said input signal
2 from being transmitted to said input and output terminal when said second mode is selected.